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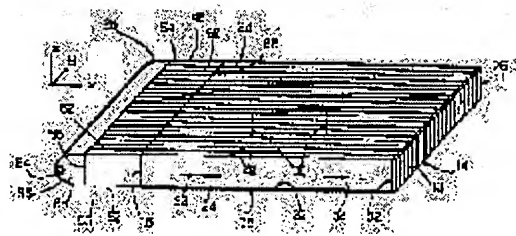
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(54) BACKLIGHT-ASSEMBLING BODY FOR LIQUID CRYSTAL DISPLAY DEVICE USING MICROPRISM

(57)Abstract:

PURPOSE: To provide a backlight assembling body with little power consumption which is small and in which the light is highly is parallel with the optical axis.

CONSTITUTION: The backlight-assembling body for a liquid crystal display device(LCD) is disclosed together with a liquid crystal device(LCD) itself and the specified polarization structure. The backlight-assembling body for LCD1 is provided with an optical conductive pipe 14 by which the light is introduced by a special method and the microprism structure with a special shape 36 which are arranged so as to be mutually and directly adjacent. The microprism structure 36 cooperates with a backlighting light-guide pipe 14 so that light inside the optical conductive pipe is reflected upwards, the light becomes in parallel with the optical axis as a whole and light is transmitted on the upper surface of the



backlighting light-guide pipe. The backlight-assembling body is also provided with specially designed structure, in order to permit the light guided by the light guide pipe 14 to be in parallel with the optical axis, so as to permit the light discharged from the light guiding pipe 14 to be further in parallel with the optical axis.

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